

Day : Tuesday  
Date: 2/13/2007

Time: 10:05:33

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = LENTING

First Name = HERMANUS

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08318737	Not Issued	161	10/11/1994	MODIFIED NEW LIPASE VARIANTS FOR USE IN DETERGENT APPLICATIONS	LENTING, HERMANUS B. M.
08732412	6017866	150	10/22/1996	LIPASES WITH IMPROVED SURFACTANT RESISTANCE	LENTING, HERMANUS B. M.
08793400	Not Issued	161	07/03/1997	DEFATTING STARCH CONTAINING WASTE PRODUCTS	LENTING, HERMANUS B. M.
09863547	6767879	150	05/23/2001	DETERGENTS COMPRISING CELLULASES	LENTING, HERMANUS BERNARDUS MARIA
10533316	Not Issued	30	04/29/2005	Method for treating cellulosic grey fabric, products obtained by this process and their use	LENTING, HERMANUS BERNARDUS MARIA
08945574	6313081	150	02/27/1998	DETERGENTS COMPRISING CELLULASES	LENTING, HERMANUS BERNARDUS MARIA

Inventor Search Completed: No Records to Display.

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cotton fabric amylase and pectinase

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[T Tzanov](#)

[O Kirk](#)

**Bio-preparation of cotton fabrics - group of 7 »**

T Tzanov, M Calafell, G Guebitz, AC Paulo - 2001 - [repository.sdm.uminho.pt](#)  
 ... Raw **cotton** woven **fabrics** were desized with **amylase** (Rapidase L40 ... hydrogen peroxide  
 was activated setting the pH to 10–11, and the **fabrics** were treated ...  
[Cited by 15](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

**Industrial enzyme applications - group of 12 »**

O Kirk, TV Borchert, CC Fuglsang... - [Current Opinion in Biotechnology](#), 2002 - [imb.usal.es](#)  
 ... of this step, enzymes have now been introduced into most of the major steps in the manufac- turing of **cotton** textiles (see Figure 3 ... Finished **fabric** ...  $\alpha$ -Amylase ...  
[Cited by 58](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

**Alkaline enzyme scouring of cotton textiles - group of 5 »**

CA Miller, SS Jorgensen, EW Otto, NK Lange, B ... - [US Patent 5,912,407](#), 1999 - [Google Patents](#)  
 ... protease in addition to an **amylase** derived from ... peroxide than alkaline scoured raw **cotton** fiber. ... **pectinase**/cellulase treated and bleached **fabric** waswhiter than ...  
[Cited by 10](#) - [Related Articles](#) - [Web Search](#)

**Alkaline pectinase: key to cost-effective, environmentally friendly preparation - group of 2 »**

JN Etters, BD Condon, PA Husain, NK Lange - [American Dyestuff Reporter](#), 1999 - [p2pays.org](#)  
 ... For example, **amylase** long has been used to promote the ... very wide use in big-polishing of **fabrics** to hydrolyze ... of Li and Hardin' indicates that **cotton** can be ...  
[Cited by 5](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

**... -degrading Enzymes and Directed Evolution of a Novel Pectate Lyase for Processing Cotton Fabric - group of 4 »**

AI Solbak, TH Richardson, RT McCann, KA Kline, F ... - [Journal of Biological Chemistry](#), 2005 - [ASBMB](#)  
 ... The **fabric** used for this assay consisted of 1.0-g swatches cut from 400 raw woven **cotton** (Testfabrics, Inc ... that had previously been desized by -**amylase** treatment ...  
[Cited by 6](#) - [Related Articles](#) - [Web Search](#)

**Detergent composition for treating cotton-containing fabrics containing a surfactant and a cellulase ... - group of 2 »**

KA Clarkson, E Larenas, GL Weiss - [US Patent 5,290,474](#), 1994 - [Google Patents](#)  
 ... In regard to the above, Schuleius, "Methods in Enzy- **cotton**-containing **fabric** which method comprises ... color of a **cotton**-containing **fabric** which method corn- ...  
[Cited by 16](#) - [Related Articles](#) - [Web Search](#)

**Scouring of Cotton with Cellulases, Pectinases and Proteases**

E Karapinar, MO Sariisik - [FIBRES AND TEXTILES IN EASTERN EUROPE](#), 2004 -

fibtex.lodz.pl

... of these enzymes on 100% **cotton** fabric's wettability ... Key words: cellulase, protease, **pectinase**, **cotton** scouring, wettability ... a **Amylase** Bacterial 65 - 70 6.2 ...

Cited by 3 - Related Articles - View as HTML - Web Search - BL Direct

Enzymes in the Tool Box - group of 2 »

MC Thiry - AATCC REVIEW, 2001 - aatcc.org

... The process is being used for **cotton** or **cotton** blend knits on jet ... The process can also be done on woven **fabrics**, incorporating **amylase** enzyme to ...

Cited by 5 - Related Articles - View as HTML - Web Search - BL Direct

Intensification of the bio-processing of **cotton** textiles by combined enzyme/ultrasound treatment - group of 5 »

VG Yachmenev, NR Bertoniere, EJ Blanchard - Journal of Chemical Technology and Biotechnology, 2002 - doi.wiley.com

... on various types of **cotton fabrics**, but it did ... Keywords: **cotton**; enzyme; ultrasound; textile processing ... by **pectinase**), starches (by **amylase**), and triglyceride ...

Cited by 4 - Related Articles - Web Search - BL Direct

Development of new eco-friendly options for **cotton** wet processing - group of 2 »

NA Ibrahim, M El-Hossamy, MS Morsy, BM Eid - Journal of Applied Polymer Science, 2004 - doi.wiley.com

... The specifications for the **cotton fabrics** used in this work ... enzymes, BioPrep 3000L (an alkaline **pectinase** with an ... APSU/g) and Aquazym 240L (an **-amylase** with an ...

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[E Larenas](#)

[T Tzanov](#)

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[A fast, continuous enzyme-based pretreatment process concept for cotton containing textiles - group of 2 »](#)

HBM Lenting, M Warmoeskerken - *Biocatalysis and Biotransformation*, 2004 - Taylor & Francis

... used in this study was a 120 g/m<sup>2</sup> plain woven **fabric** (100% **cotton**; 68 yarns ... The Optisize HT 40 **α-amylase** was a generous gift from Genencor International. ...

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[Detergent compositions containing a lipase variant at low levels - group of 5 »](#)

A Baeck, C Kasturi - US Patent 6,133,220, 2000 - Google Patents

... cleaning performance and/or **fabric** care benefits. Said ... T->n/T » iif „... c, •, , c •, protease, **amylase**, hphase, culmase and/or cellulase in con- ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

[... enhancement in the production of a highly alkaline and thermostable pectinase by \*Bacillus pumilus\* ... - group of 5 »](#)

DC Sharma, T Satyanarayana - *Bioresource Technology*, 2006 - Elsevier

... *Bacillus pumilus* dcsr1; Alkaline **pectinase**; Medium optimization ... used in the **fabric** industry, for ... and jute, biopreparation of **cotton fabrics**, enzymatic polishing ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

[Amylase and pectinase from single source for combined desizing and scouring](#)

P DALVI, P ANTHAPPAN, N DARADC, N KANOONGO, R ... - *Colourage*, 2006 - cat.inist.fr

... **Amylase** and **pectinase** were produced ... The metabolic liquor containing the produced enzymes was applied on raw **cotton fabric** for desizing and scouring, thus ...

[Web Search](#)

[BioPreparation—a new Enzymatic Concept](#)

NNA Inc - [novozymes.com](#)

... Lipase-Assisted Desizing of Woven **Cotton Fabrics**, Textile Chemist and ... for Enzymatic Scouring of **Cotton**, Book of ... and T. Sakamoto: Review on **Amylase** and **Pectinase** ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Cotton Preparation with Alkaline Pectinase: An Environmental Advance](#)

P Wall - [p2pays.org](#)

... Desizing Carded 100% **cotton** army sateen greige **fabric**, with a ... of 242 g/m<sup>2</sup> (Test **Fabrics**

Inc.), was ... Thermozyme 280L, a high-temperature **amylase** enzyme, supplied ...

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[METHOD FOR TREATING CELLULOSIC GREY FABRIC, PRODUCTS OBTAINED BY THIS PROCESS AND THEIR USE](#)

HBMAR LENTING - EP Patent 1,558,805, 2005 - [freepatentsonline.com](#)

... between steps (a) and (b), the **fabric** is subjected to a ... starch is an **amylase**, more

preferably an  **$\alpha$ -amylase**. ... of the primary cell wall of **cotton** is preferably ...  
[Cached](#) - [Web Search](#)

**Method for simultaneous enzymatic desizing and kiering of cellulose-containing material - group of 2 »**

W Lillote, G Reichert - 2005 - [freepatentsonline.com](#)  
... 0012] Besides pure **cotton**, **cotton** blends may ... It is a **pectinase/.alpha.-amylase** mixture  
which is obtained from ... 0015] In the batch treatment, the **fabric** is first ...  
[Cached](#) - [Web Search](#)

**Application of neutral-alkaline oectate lyases to cotton fabric boil off**

VV Morozova, MV Semenova, TN Salanovich, ON Okunev ... - Applied Biochemistry and Microbiology, 2006 - Springer  
... Enzymatic boil off of **cotton fabric**. We used coarse **cotton** sheeting stock no. 216 (surface density 125 g/m<sup>2</sup>) desized with  **$\alpha$ -amylase** (amylosubtilin). ...  
[Related Articles](#) - [Web Search](#)

**Use of ultrasonic energy for intensification of the bio-preparation of greige cotton - group of 5 »**

VG Yachmenev, EJ Blanchard, AH Lambert - Ultrasonics, 2004 - Elsevier  
... pectins (by **pectinase**) and/or starches (by **amylase**). ... of **cotton** fibers with **pectinase-lipase-cellulase** ... of the appearance of **cotton fabrics** and garments by ...  
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